

Product datasheet for **AM32157PU-N**

Mucin-5AC Mouse Monoclonal Antibody [Clone ID: 58M1]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 58M1 |
| Applications: | IHC, WB |
| Recommended Dilution: | Immunohistochemistry on Cultured Cells: Strongly positive on ethanol fixed epithelial cells. Immunochemistry on Frozen Ethanol Fixed Sections. Immunochemistry on Paraffin Sections: Very strong positive reaction with ethanol fixed tissues. Protease pretreatment is recommended for formalin post-fixed tissues. <i>This Monoclonal Antibody Clone 58M1</i> cross-reacts with mucin of different animal species after periodate pretreatment of deparaffinized sections (Mouse, Cow, Rabbit, Pig). Immunoblotting: Strongly positive without beta-mercaptoethanol pretreatment of Mucin solution. |
| Reactivity: | Bovine, Canine, Feline, Monkey, Mouse, Porcine, Rabbit |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | A BALB/c mouse was immunized with mucin isolated from an ovarian cyst fluid (pure endocervical type according to the Fenoglio's classification). Splenocytes were fused with mouse myeloma SP2/0 cells. |
| Specificity: | This antibody Clone 58M1 reacts with peptide core of Gastric Mucin (MUC5AC). |
| Formulation: | PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.05% Sodium Azide |
| Concentration: | lot specific |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |



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| Stability: | Shelf life: one year from despatch. |
| Gene Name: | mucin 5AC, oligomeric mucus/gel-forming |
| Database Link: | P98088 |
| Background: | Mucins are high molecular weight glycoproteins that are found especially in the secretions of mucus membranes. Gastric Mucin 5AC antigen is found in columnar mucus cells of surface gastric epithelium and in goblet cells of the fetal and precancerous colon but not in normal colon. Resurgence of gastric mucin during colonic carcinogenesis is suggestive of either re-expression of the peptide core of gastric mucin in the adult colon or due to changes in the glycosylation pattern of mucin, which expose the hidden Mucin 5AC antigen. |
| Synonyms: | MUC5AC, MUC5, TBM, LeB |